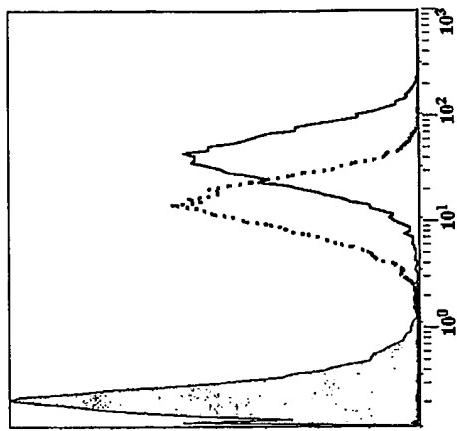
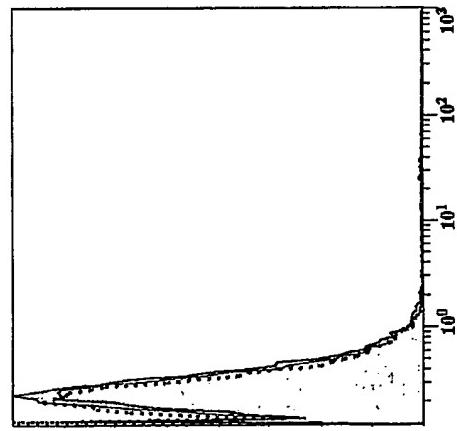


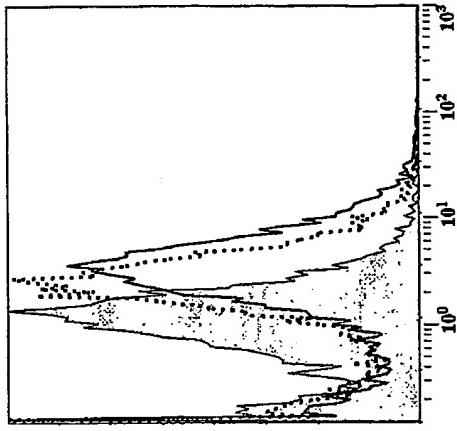
1/20

CHO/E₁-GPC3

CHO



HuH-7



HepG2

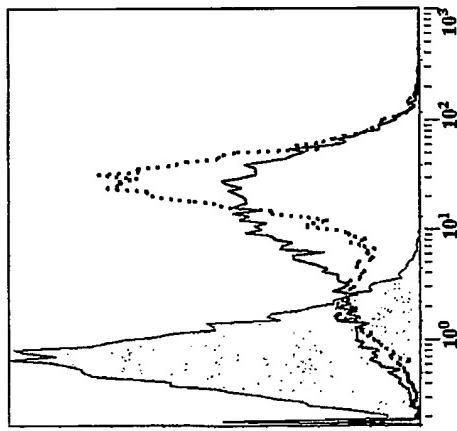


図1

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Mab	示されるビオチン化 Mab の sGPC3 コアへの結合の阻害 (%)						エピトープ位置	
	M3C11	M1E7	M11F1	M6B1	M18D4	M5B9	M10D2	L9G11
M3C11	96.8	96.2	12.0	11.2	10.3	9.1	39.9	33.1
M13B3	71.3	25.7	15.6	9.3	2.7	-1.8	22.3	24.9
M1E7	26.0	83.9	14.3	7.7	9.0	6.4	14.8	38.0
M3B8	1.8	28.4	97.4	15.2	12.6	3.6	29.0	36.0
M11F1	2.0	3.9	81.8	5.6	-1.5	5.4	24.6	20.9
M19B11	-4.1	-9.4	3.1	87.6	44.1	31.0	14.2	-9.8
M6B1	-5.7	-2.7	13.9	85.6	51.9	44.4	6.7	1.1
M18D4	0.2	0.5	-0.3	38.6	89.0	89.4	19.1	6.7
M5B9	0.1	2.7	5.3	23.2	77.3	77.3	13.4	10.3
M10D2	-7.7	0.6	7.8	-5.9	-21.6	-10.3	79.2	7.2
L9G11	2.1	-4.8	6.0	10.1	15.7	6.4	1.2	92.2
								e

図2

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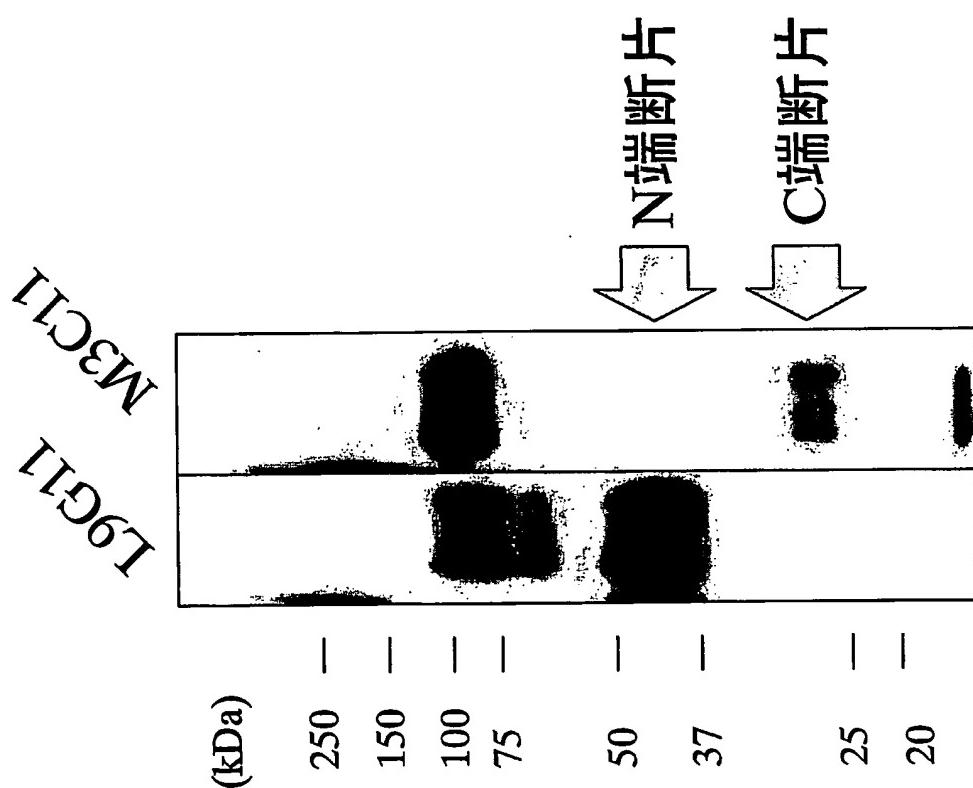


図3

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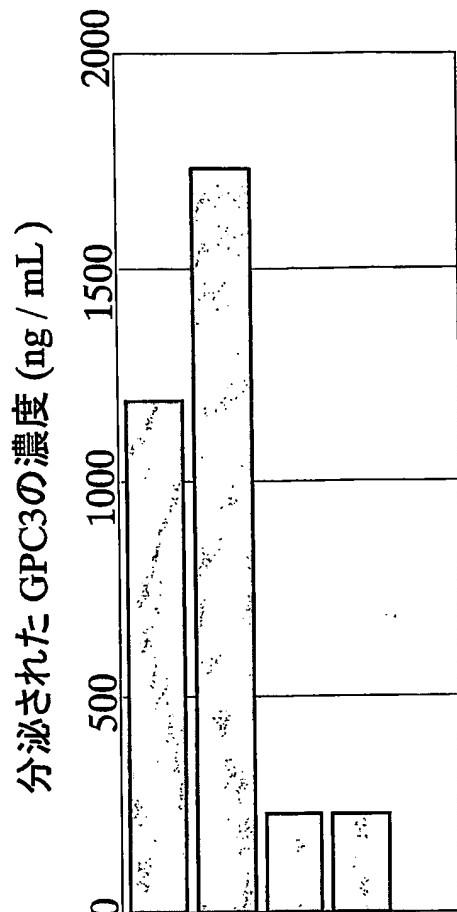


図4

捕捉 Mab	発色 Mabs
M6B1	M18D4
M19B11	M18D4
M6B1	M3C11
M13B3	M18D4
M13B3	M3B8

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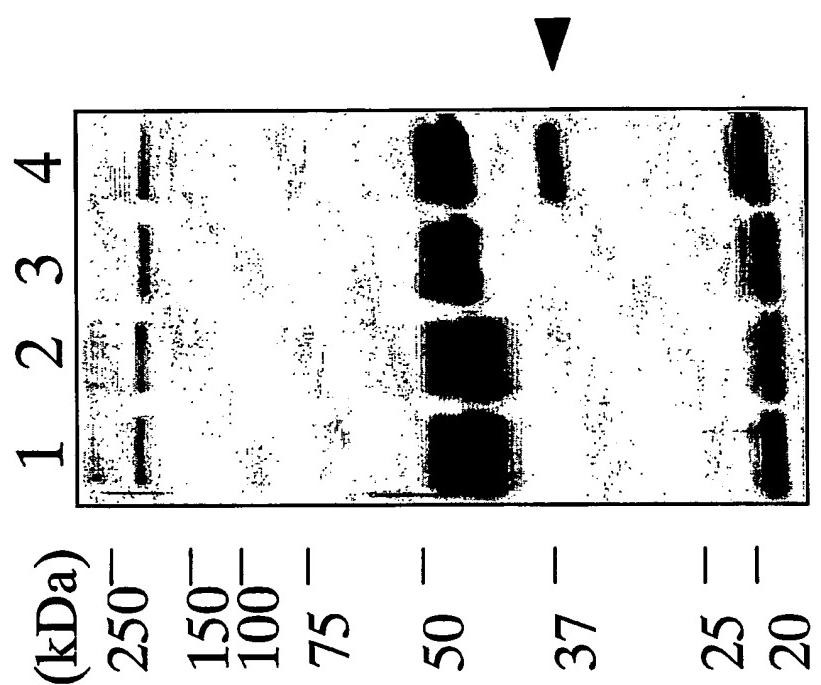
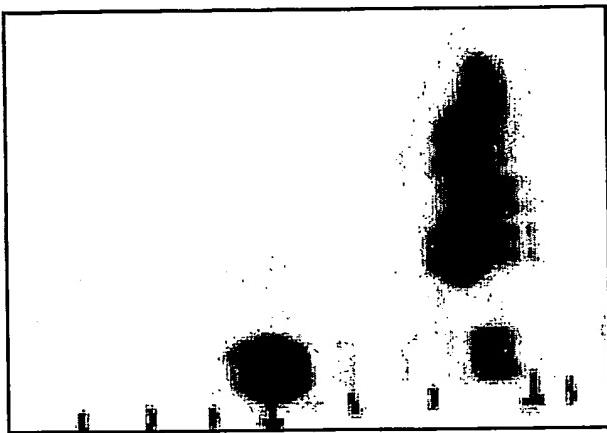


図5

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M11F1

1 2 3 4 5 6 7



M3C11

1 2 3 4 5 6 7

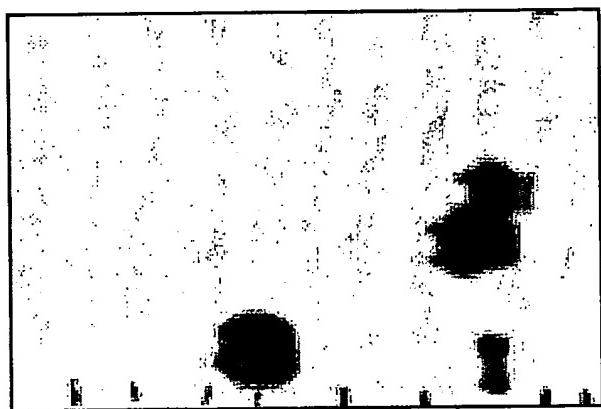


図6

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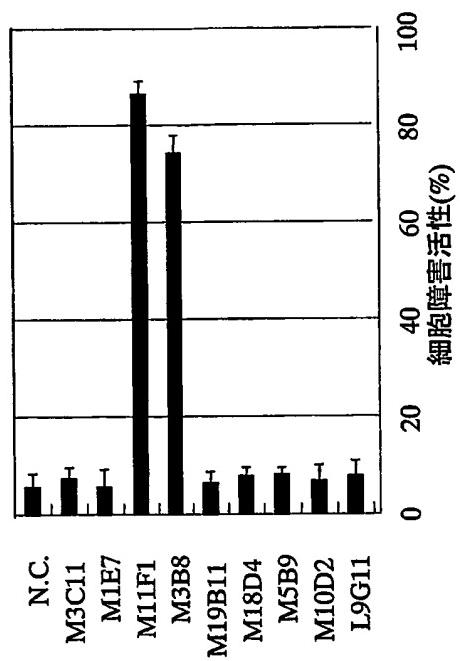


図7

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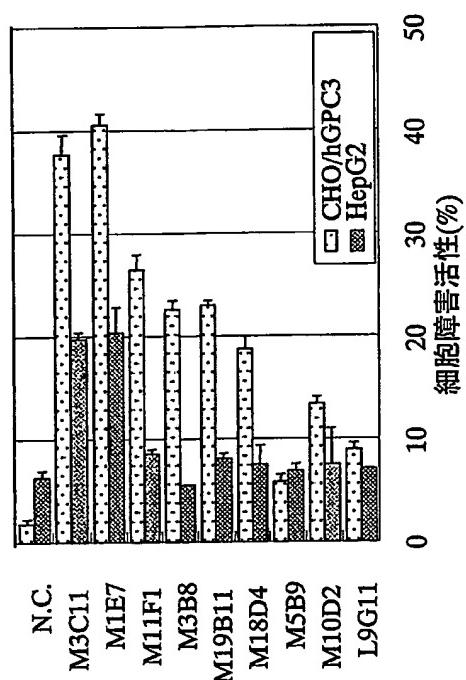


図8

9/20

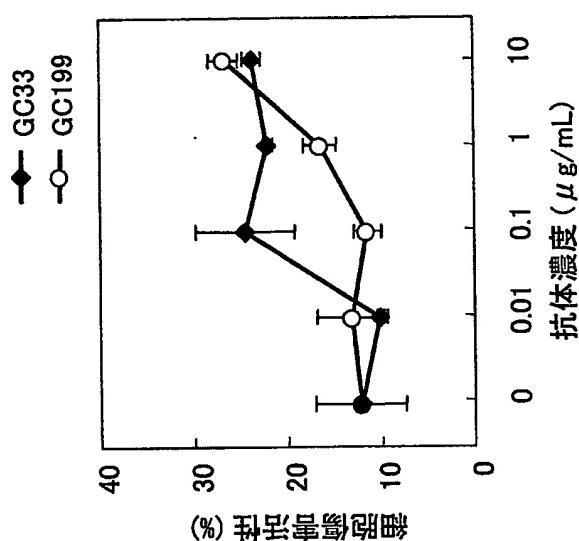
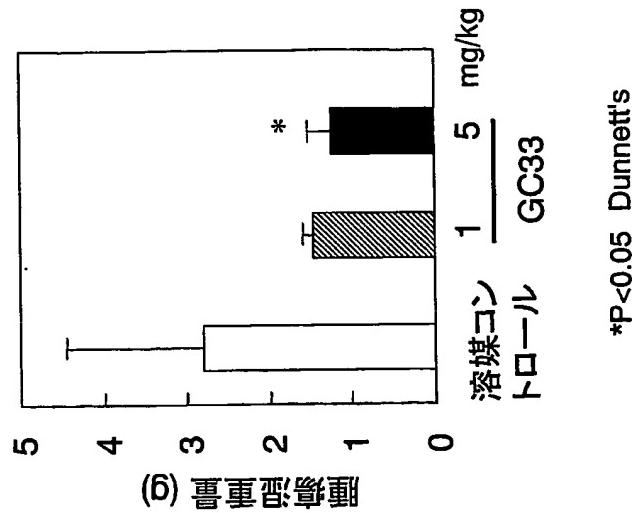


図9

10/20

B



A

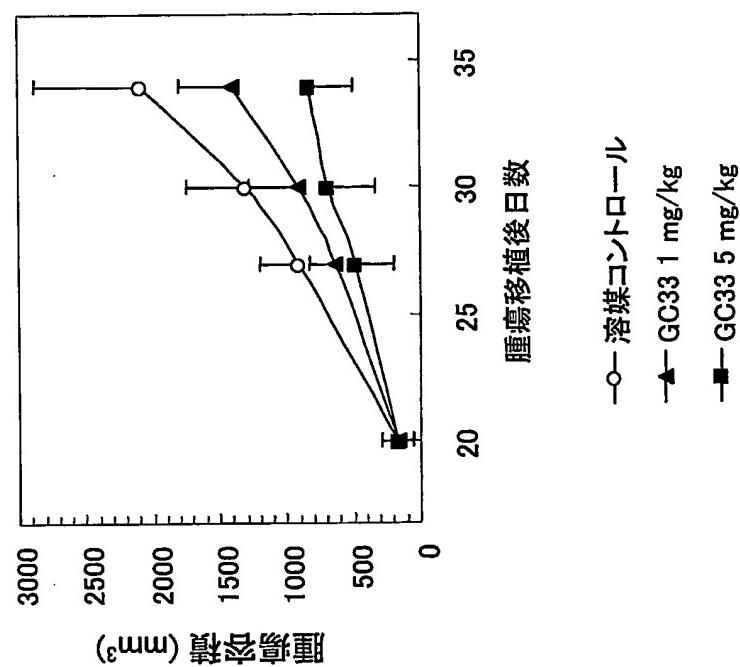


図10

11/20

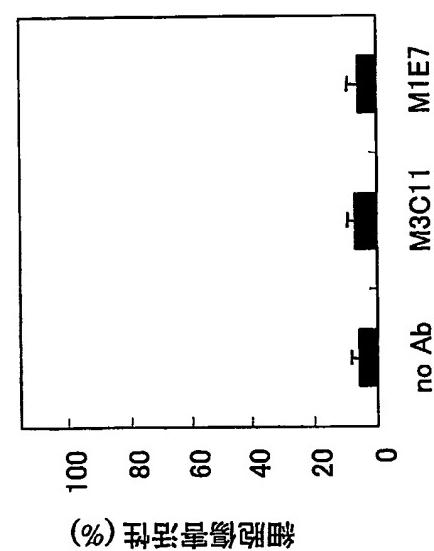
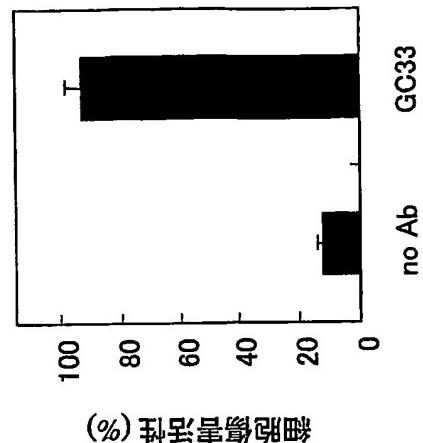


図11

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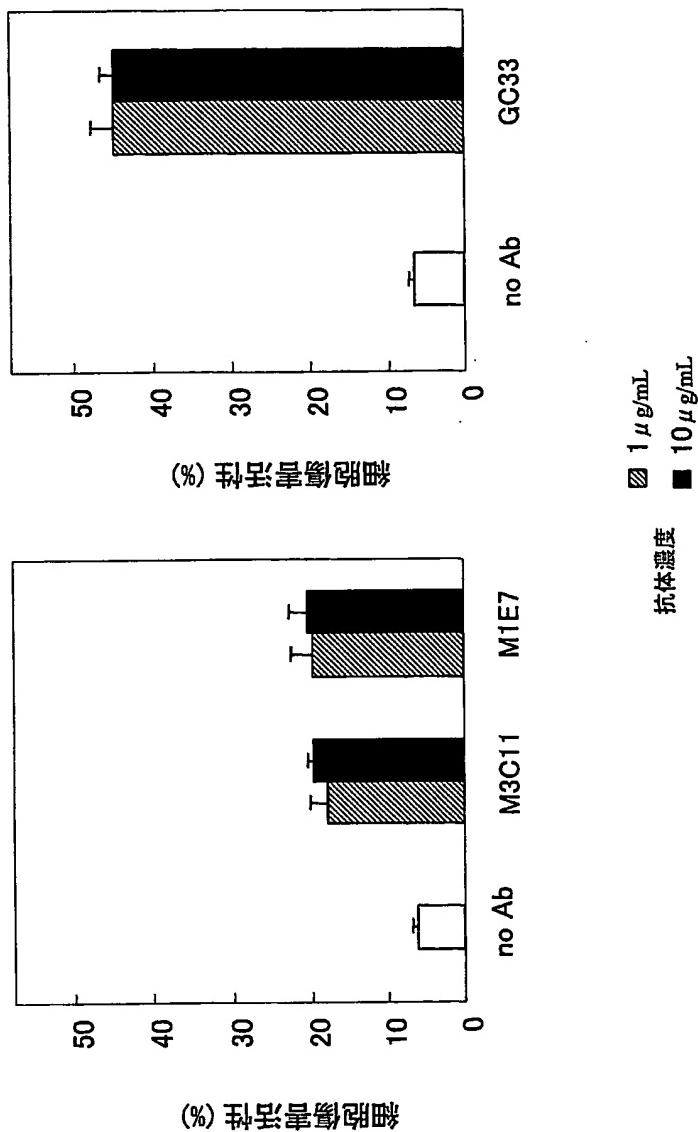


図12

13/20

	GC33 WB	O x x x x x O O O x
GC-4	GNSQQQATPKDNEIS	STFHNLGNVHSPLK
GC-5	GNSQQQATPKDNEIS	STFHNLGNVHSPLK
GC-6	GNSQQQATPKDNEIS	STFHNLGNVHSPLK
GC-7	GNSQQQATPKDNEIS	STFHNLGNVHSPLK
GC-8	QQATPKDNEIS	STFHNLGNVHSPLK
GC-9	TPKDNEIS	STFHNLGNVHSPLK
GC-10	ATPKDNEIS	STFHNLGNVHSPLK
GC-11	ATPKDNEIS	STFHNLGNVHSPLK
GC-12	PKDNEIS	STFHNLGNVHSPLK
GC-13	DNEIS	STFHNLGNVHSPLK
GC-14	EIS	STFHNLGNVHSPLK

☒13

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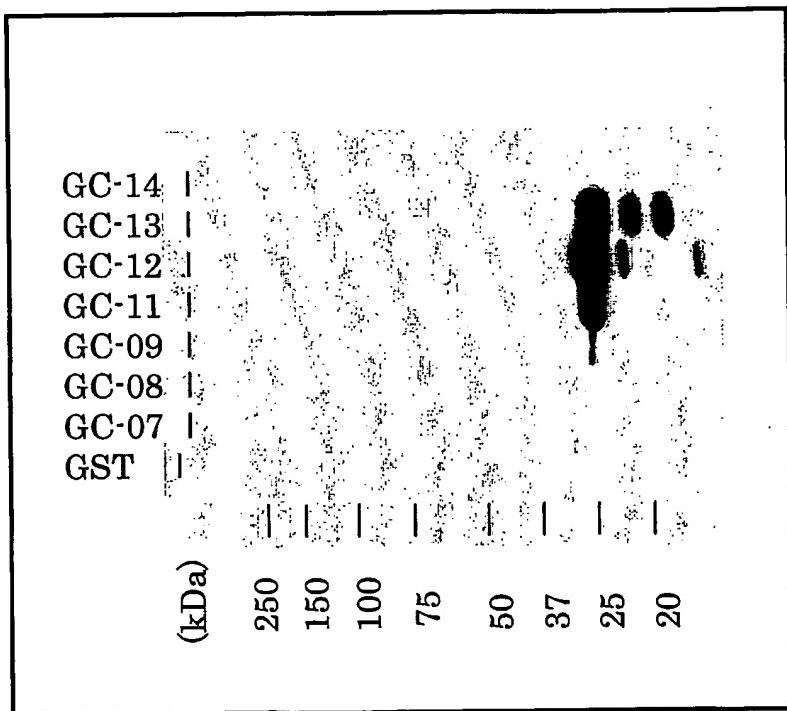


図14

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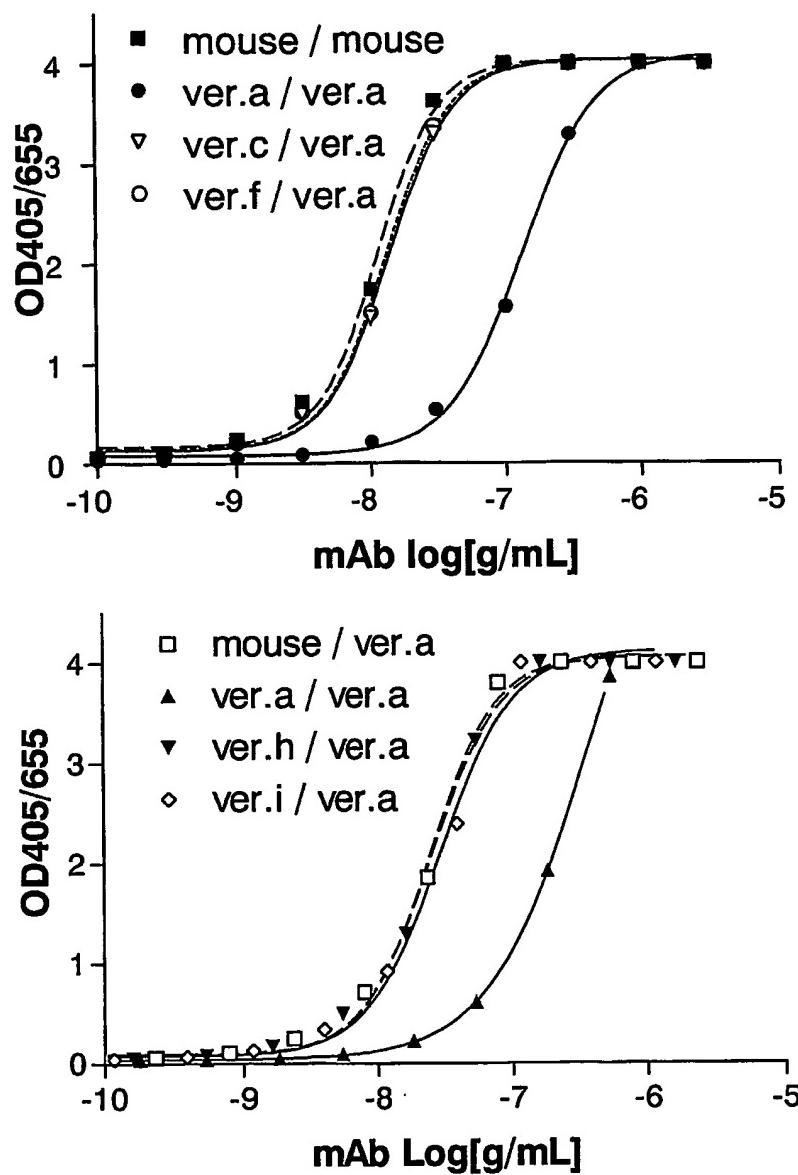


図15

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クローン ID	アイソ タイプ	ELISA (nM)	BIACORE			エピトープ			FACS			免疫 沈殿
			ka (1/Ms x10 ⁵)	kd (1/s x10 ⁵)	KD (nM)	競合 ELISA	ウエスタン プロッティング	CHO/ human GPC3	HepG2	HuH-7	CHO	
M3C11	IgG1	0.12	2.5	6.5	0.3	a	GC-2	N.D.	N.D.	9	-	△
M13B3	IgG1	0.25	N.D.	N.D.	N.D.			28	16	5	-	N.D.
M1E7	IgG1	0.96	1.5	42.7	2.8						x	
M3B8	IgG1	0.56	2.7	467.0	17.6	b	GC-4	12	6	3	-	x
M11F1	IgG2b	2.17	1.4	3.5	0.2			9	4	2	-	x
L9G11	IgG1	0.62	1.3	140.0	10.7	e		29	26	4	-	○
M19B11	IgG1	0.18	1.5	17.1	1.1			39	44	3	-	○
M6B1	IgG1	5.51	N.D.	N.D.	N.D.			37	34	3	-	○
M18D4	IgG1	0.85	0.8	49.6	6.2	c	N	22	20	2	-	○
M5B9	IgG1	1.13	0.6	139.0	23.5			25	23	2	-	○
M10D2	IgG1	1.04	1.1	49.6	4.7	d		20	29	3	-	○

図16

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クローン ID	アイソ タイプ	ELISA		エピトープ		FACS		
		競合 ELISA	EC50 (nM)	ウエスタン プロッティング	CHO/ ヒト GPC3	HepG2	HuH-7	CHO
GC199	IgG1	0.10	...	GC-4	15.5	12.2	2.4	-
GC202	IgG1	0.10	b	...	6.0	0.9	1.4	-
GC33	IgG2a	0.24	82.7	52.0	8.4	-
GC179	IgG2b	5.61	f	GC-3	7.1	6.5	3.8	-
GC194	IgG1	3.83	5.0	7.9	1.5	-

図17

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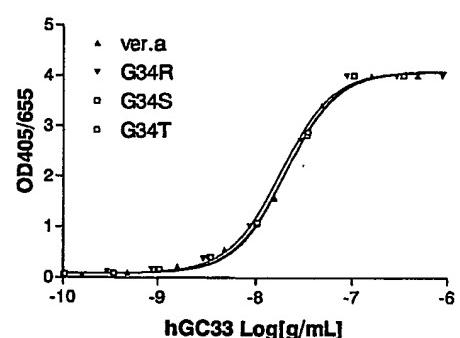
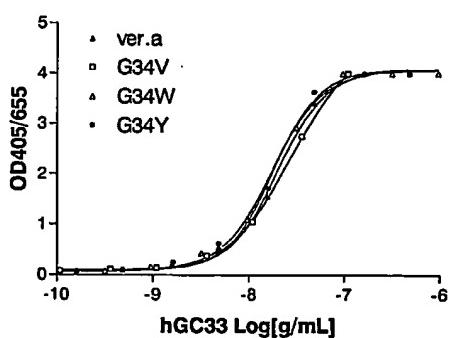
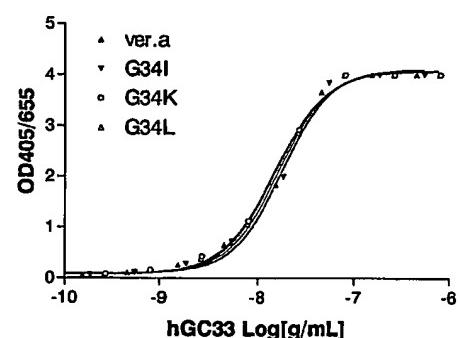
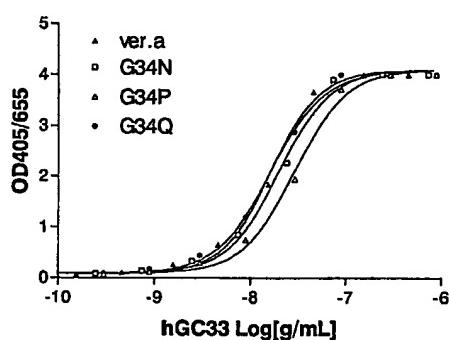
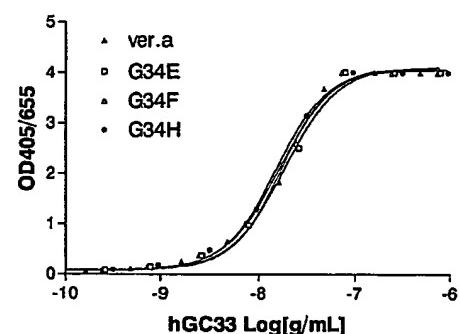
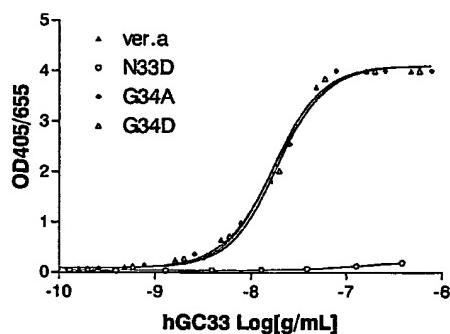


図18

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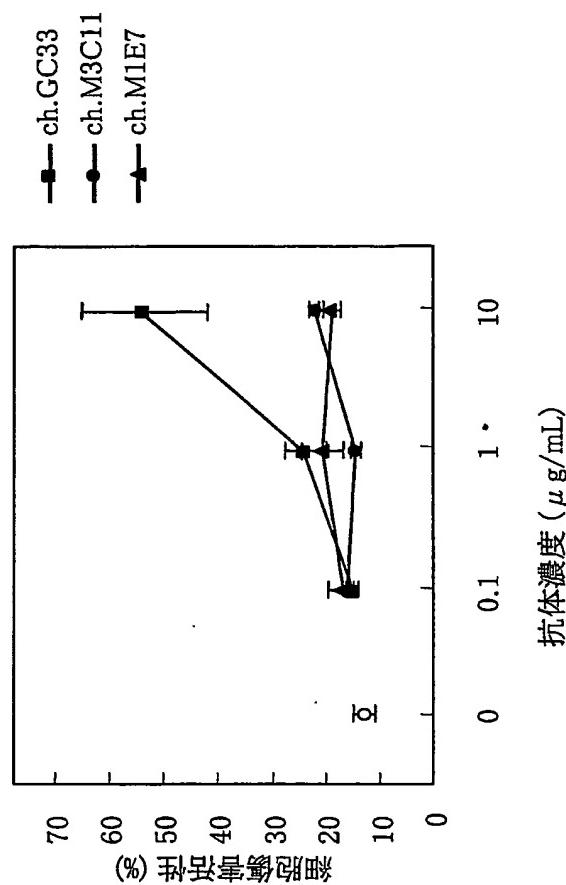


図19

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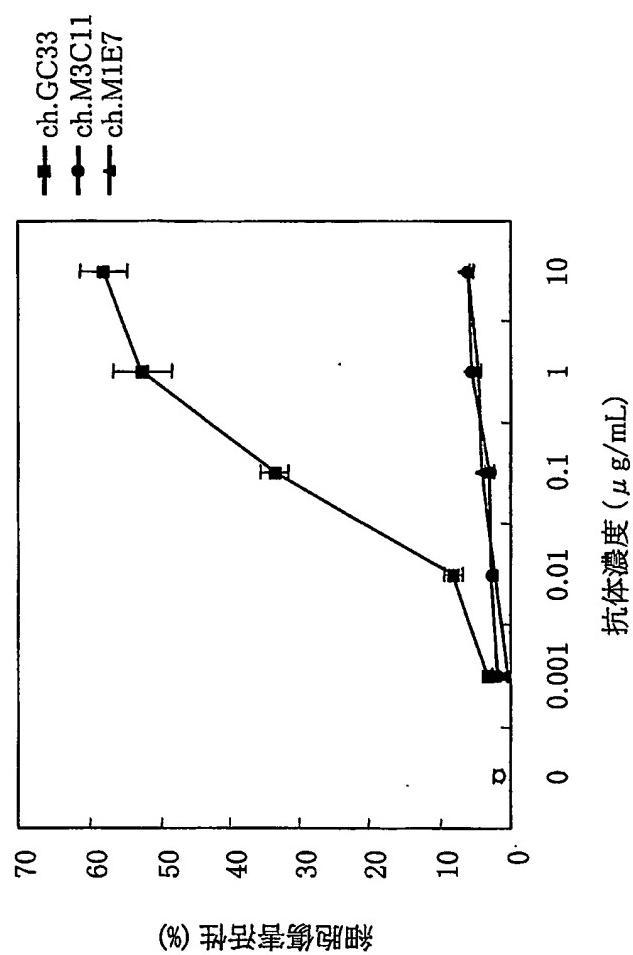


図20